

ABSTRACT

5 The invention relates to a CO₂ detector for the detection of CO₂ in respiratory gases. In particular, the invention relates to medical devices which contain a CO₂ detector disposed within the devices to allow detection of CO₂ within respiratory gases.

10 PA The invention also relates to a method for determining the proper placement of an intubation device comprising inserting a tracheal tube having a CO₂ detector disposed within, and observing whether the CO₂ detector changes color in response to the CO₂ which is present in respiratory gases.

15 PA The CO₂ detectors of the invention comprise a pH sensitive dye and a solid phase support. The CO₂ detectors of the invention may further comprise a phase transport enhancer which allows the CO₂ detector to respond contemporaneously with the presence or absence of CO₂ in a respiratory gas on a breath by breath basis.

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